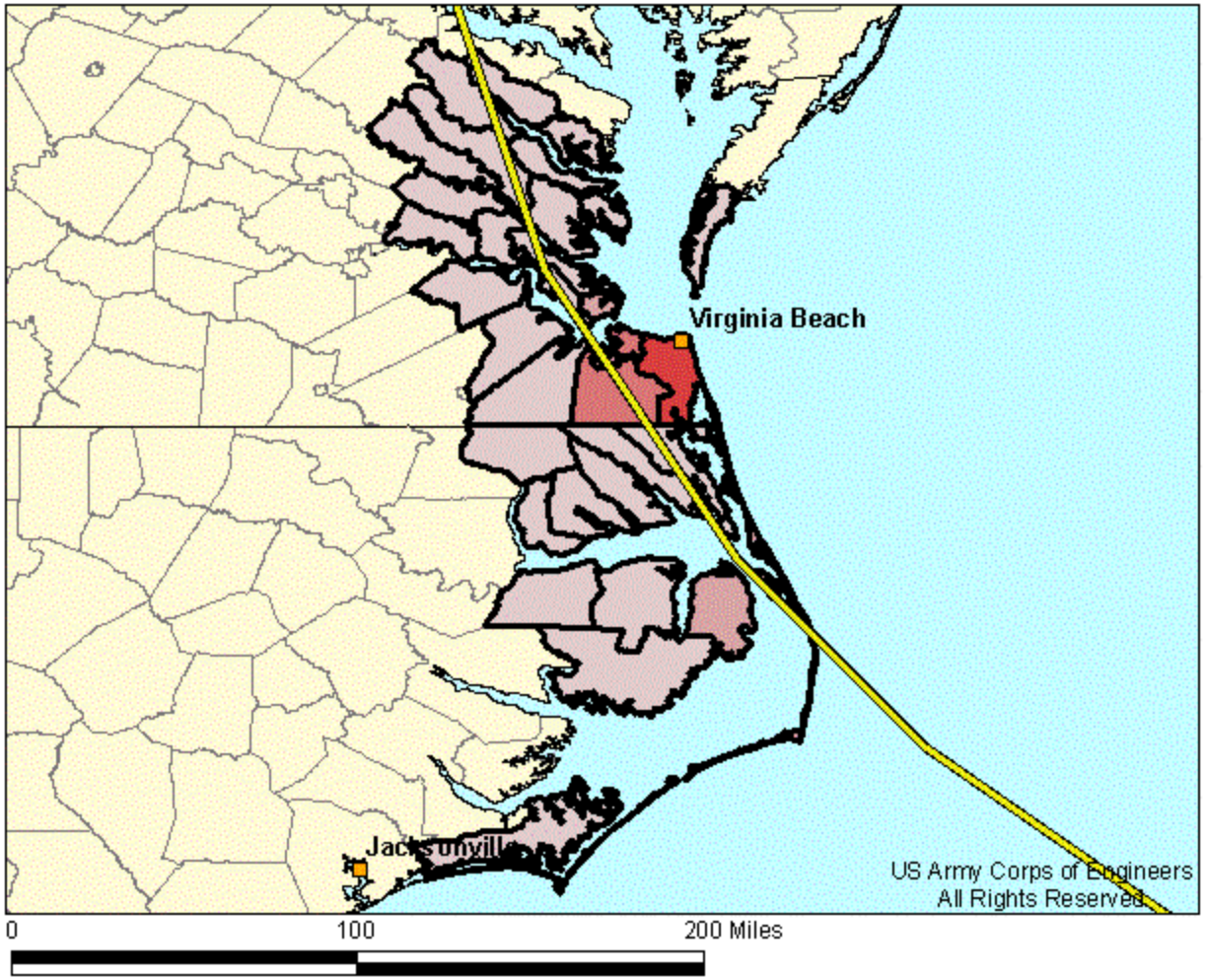
US Army Corps of Engineers

# Hurricane NoName 1933 Debris Model

## Landfall Plus About **12** Hours

**For Planning Purposes Only!**




### *Post Landfall Debris Model Results*

Virginia - 2,094,000 Yards
North Carolina - 356,000 Yards

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Debris**

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (1500 EDT 05/21/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Debris Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 1 of 12 |

US Army Corps of Engineers

# Hurricane NoName 1933 Debris Model

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| North Carolina | | Camden | 28,000 |
| | | Carteret | < 1,000 |
| | | Chowan | 10,000 |
| | | Currituck | 70,000 |
| | | Dare | 115,000 |
| | | Gates | 9,000 |
| | | Hyde | 11,000 |
| | | Pasquotank | 79,000 |
| | | Perquimans | 18,000 |
| | | Tyrrell | 10,000 |
| | | Washington | 6,000 |
| North Carolina | 356,000 | | |
| | | | |
| Virginia | | Charles City | < 1,000 |
| | | Chesapeake city | 364,000 |
| | | Essex | 7,000 |
| | | Gloucester | 49,000 |
| | | Hampton City | 194,000 |
| | | Isle Of Wight | 35,000 |
| | | James City | 78,000 |
| | | King And Queen | 7,000 |
| | | King William | 5,000 |
| | | Lancaster | 8,000 |
| | | Mathews | 14,000 |
| | | Middlesex | 16,000 |
| | | New Kent | 4,000 |
| | | Newport News city | 75,000 |
| | | Norfolk City | 312,000 |
| | | Northampton | 9,000 |
| | | Poquoson City | 15,000 |
| | | Portsmouth city | 143,000 |

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Virginia | | Richmond | 2,000 |
| (continued) | | Suffolk City | 89,000 |
| | | Surry | 5,000 |
| | | Virginia Beach city | 576,000 |
| | | Williamsburg city | 14,000 |
| | | York | 73,000 |
| Virginia | 2,094,000 | | |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Debris Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

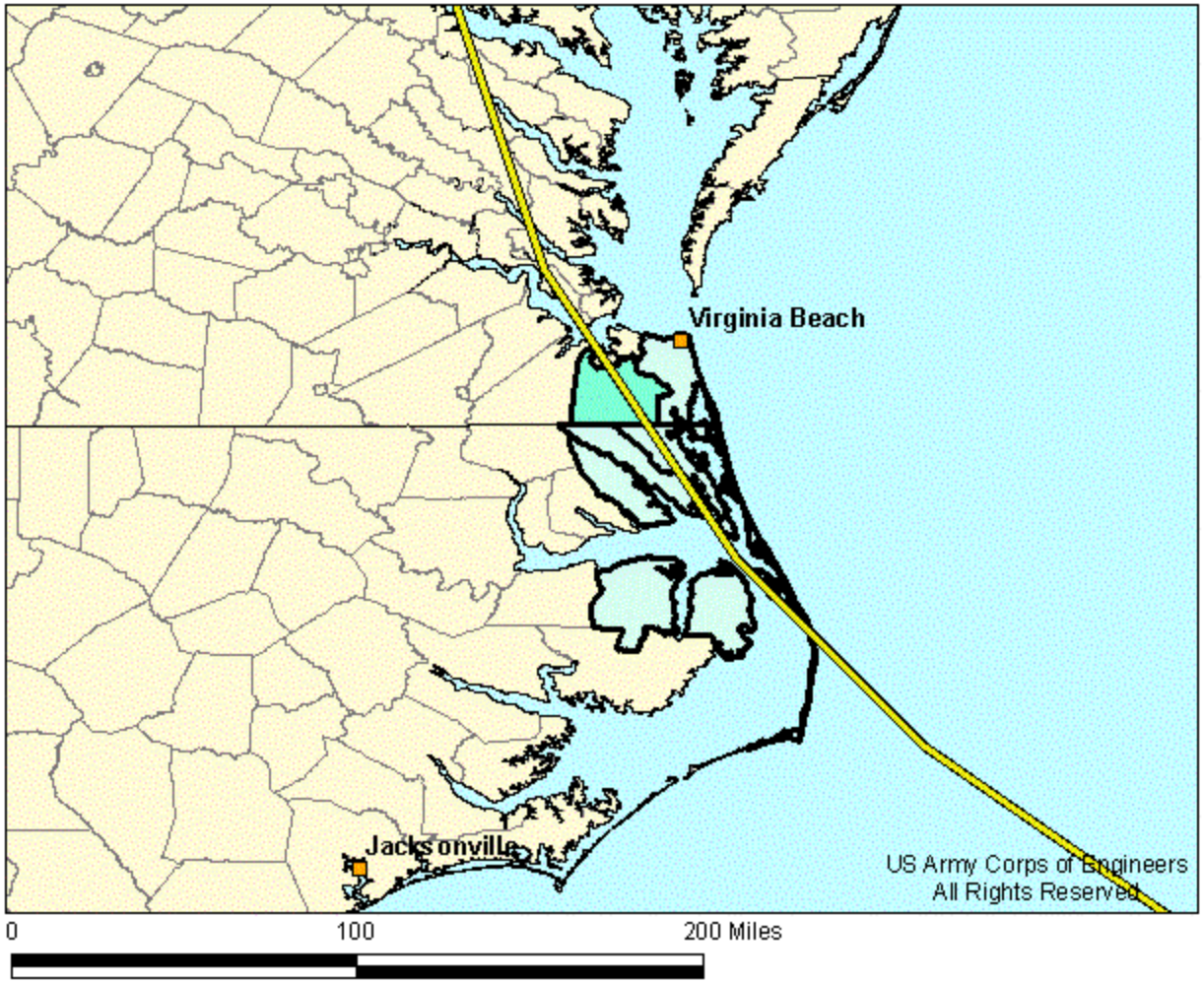
**Sources:**
HURREVAC
LRL-DEBRIS

# Hurricane NoName 1933 Commodities Model

US Army Corps of Engineers

## Landfall Plus About **12** Hours

**For Planning Purposes Only!**




### *Post Landfall Water Model Results*

**Day One / Day Two / Day Three**
NC – 3/5/9 Truckloads
VA – 2/3/6 Truckloads

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Commodities**

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC ***(1500 EDT 05/21/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Commodities Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 3 of 12 |

US Army Corps of Engineers

# Hurricane NoName 1933 Commodities Model

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**

| State | Truckloads per State | County | Truckloads per County |
|---|---|---|---|
| North Carolina | | Camden | 1 |
| | | Currituck | 2 |
| | | Dare | 3 |
| | | Pasquotank | 2 |
| | | Tyrrell | 1 |
| North Carolina | 9 | | |
| | | | |
| Virginia | | Chesapeake city | 5 |
| | | Virginia Beach city | 1 |
| Virginia | 6 | | |

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Commodities Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

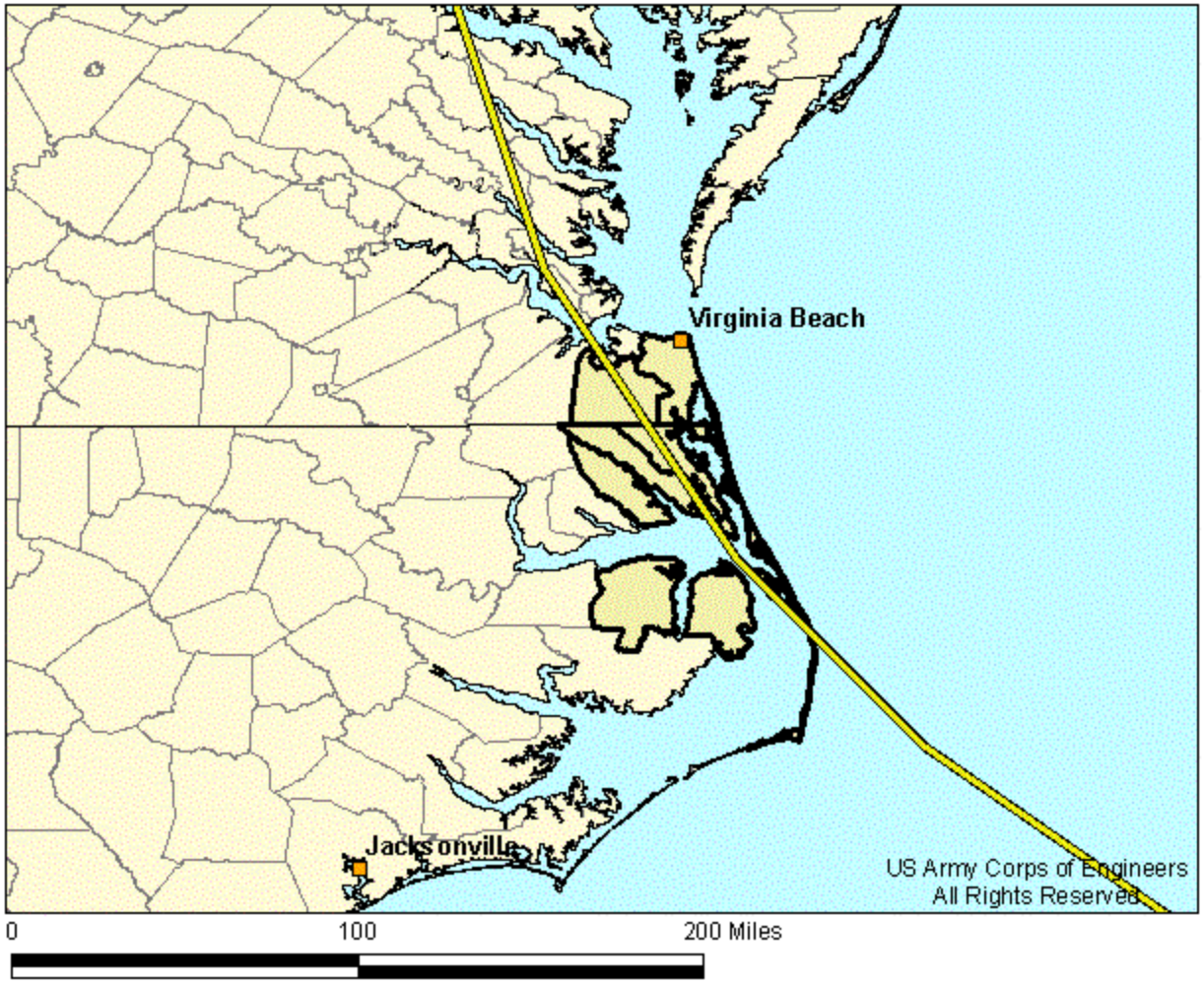
**Sources:**
HURREVAC
LRL-DEBRIS

# Hurricane NoName 1933 Temporary Roofing Model

US Army Corps of Engineers

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**




### *Post Landfall Temporary Roofing Model Results*

North Carolina - 1,000
Virginia - 800

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Temporary Roofing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (1500 EDT 05/21/2008) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Roofing Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 5 of 12 |

US Army Corps of Engineers

# Hurricane NoName 1933 Temporary Roofing Model

## Landfall Plus About 12 Hours

For Planning Purposes Only!

| State | House Units per State | County | House Units per County |
|---|---|---|---|
| North Carolina | | Camden | < 100 |
| | | Currituck | 300 |
| | | Dare | 500 |
| | | Pasquotank | 200 |
| | | Tyrrell | < 100 |
| North Carolina | 1,000 | | |
| | | | |
| Virginia | | Chesapeake city | 800 |
| | | Virginia Beach city | < 100 |
| Virginia | 800 | | |

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Roofing Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

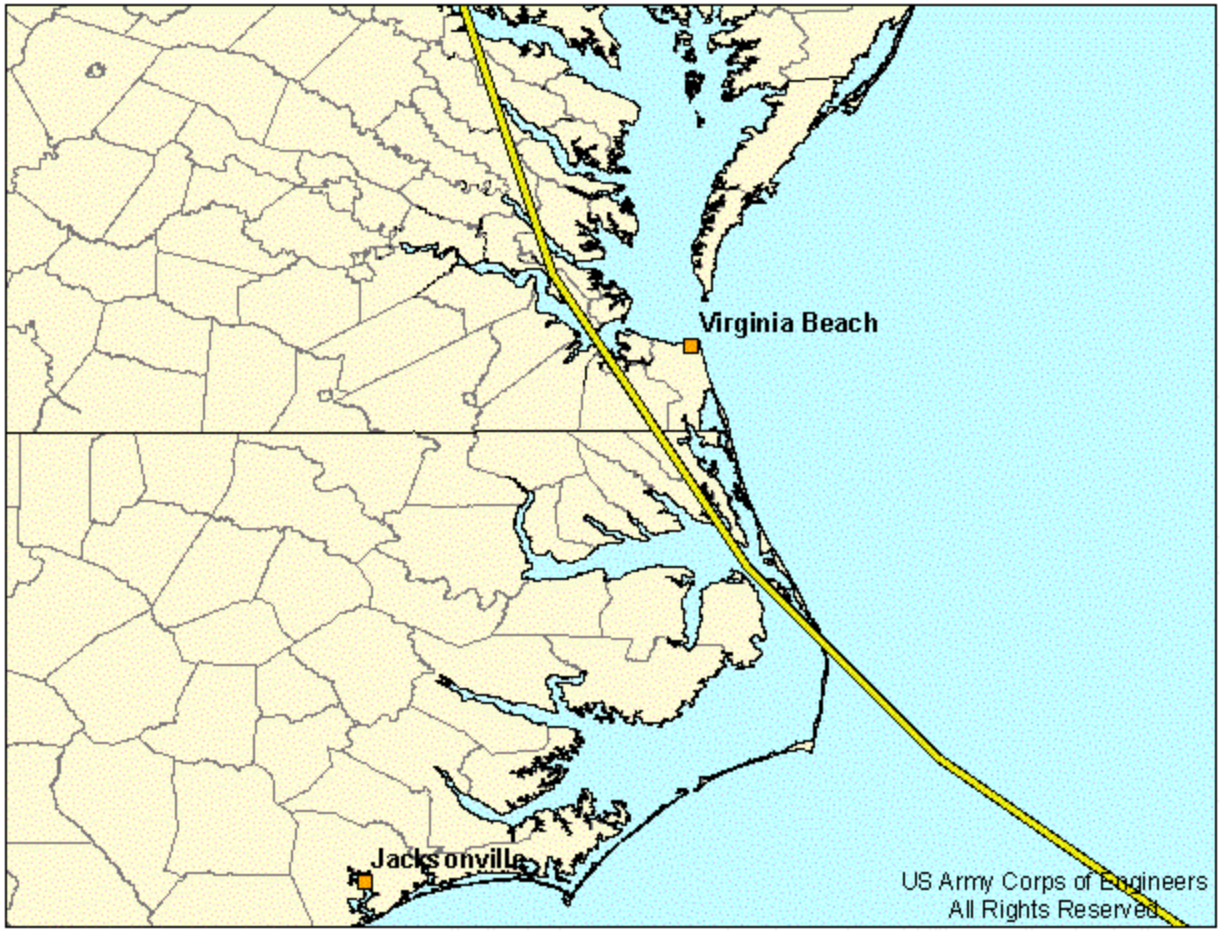
**Sources:**
HURREVAC
LRL-DEBRIS

# Hurricane NoName 1933 Temporary Housing Model

US Army Corps of Engineers

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**




### *Post Landfall Temporary Housing Model Results*

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Temporary Housing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (1500 EDT 05/21/2008) forecast. Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Housing Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 7 of 12 |

# Hurricane NoName 1933 Temporary Housing Model

US Army Corps of Engineers

## Landfall Plus About 12 Hours

For Planning Purposes Only!

| State | House Units per State | County | House Units per County |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | No Temporary Housing need expected | |

Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Housing Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

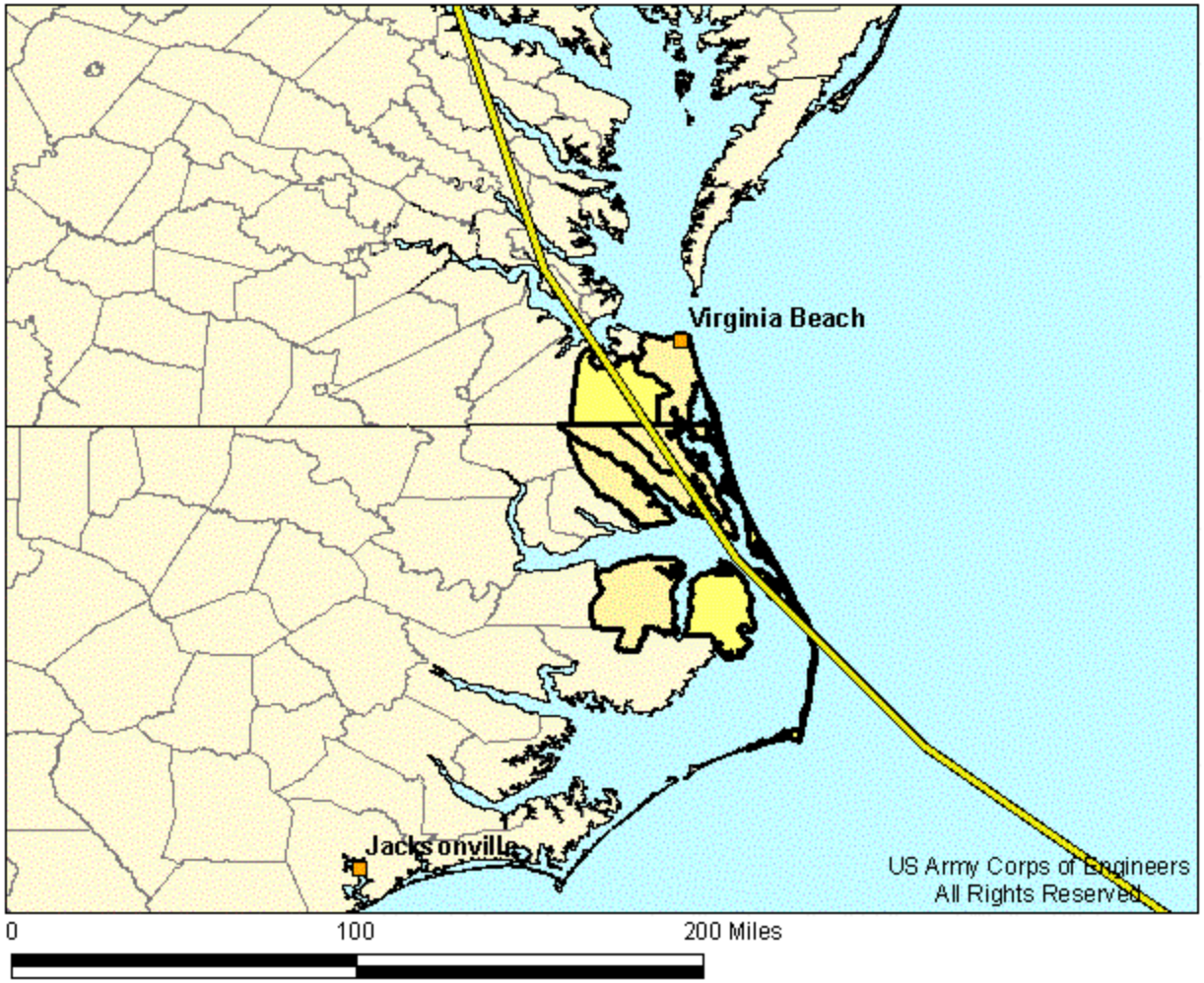
**Sources:**
HURREVAC
LRL-DEBRIS

# Hurricane NoName 1933 Population Model

## Landfall Plus About 12 Hours

US Army Corps of Engineers

**For Planning Purposes Only!**




### *Post Landfall Population Model Results*

North Carolina - 82,000
Virginia - 75,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Population**

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (1500 EDT 05/21/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Population Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 9 of 12 |

US Army Corps of Engineers

# Hurricane NoName 1933 Population Model

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**

| State | Population per State | County | Population per County |
|---|---|---|---|
| North Carolina | | Camden | 7,000 |
| | | Currituck | 23,000 |
| | | Dare | 34,000 |
| | | Pasquotank | 18,000 |
| | | Tyrrell | < 1,000 |
| North Carolina | 82,000 | | |
| | | | |
| Virginia | | Chesapeake city | 73,000 |
| | | Virginia Beach city | 2,000 |
| Virginia | 75,000 | | |

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Population Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

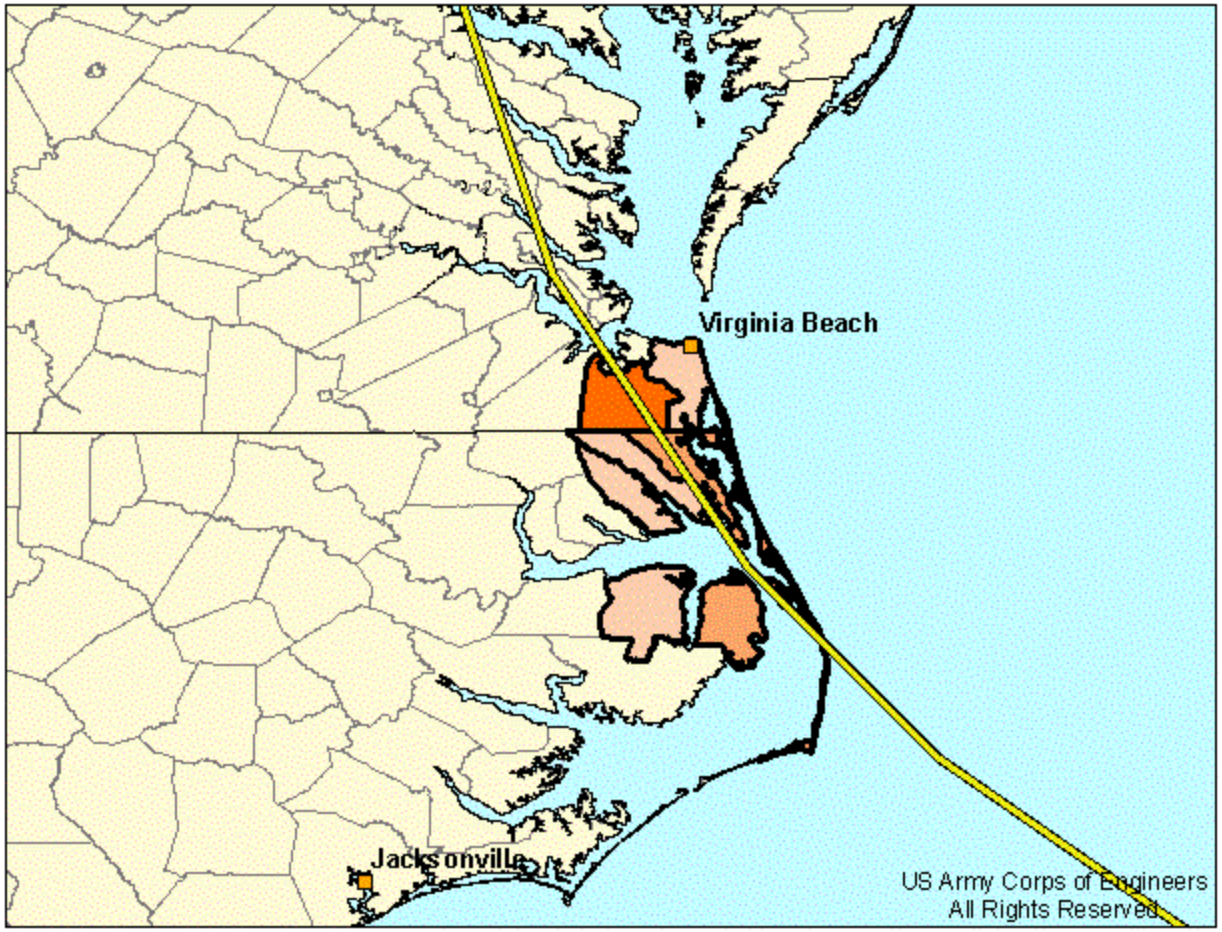
**Sources:**
HURREVAC
LRL-DEBRIS

# Hurricane NoName 1933 Households Model

US Army Corps of Engineers

## Landfall Plus About **12** Hours

**For Planning Purposes Only!**




### *Post Landfall Households Model Results*

North Carolina - 34,000
Virginia - 24,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall on the Outer Banks, NC.

Historic Track

**Households**

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (1500 EDT 05/21/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane NoName 1933 Households Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1530 EDT 05/21/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 11 of 12 |

US Army Corps of Engineers

# Hurricane NoName 1933 Households Model

## Landfall Plus About 12 Hours

**For Planning Purposes Only!**

| State | Households per State | County | Households per County |
|---|---|---|---|
| North Carolina | | Camden | 3,000 |
| | | Currituck | 9,000 |
| | | Dare | 15,000 |
| | | Pasquotank | 7,000 |
| | | Tyrrell | < 1,000 |
| North Carolina | 34,000 | | |
| | | | |
| Virginia | | Chesapeake city | 24,000 |
| | | Virginia Beach city | < 1,000 |
| Virginia | 24,000 | | |

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane NoName 1933 Households Model**

**Generated By:**
Siemsen, LRL 1530 EDT 05/21/2008

**Sources:**
HURREVAC
LRL-DEBRIS